

## **Samet YAVUZ**

Mechanical Engineering Department

Çankaya University, Ankara

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+90 312 233 13 05



### **EDUCATION**

#### **Ph. D.**

Hacettepe University, Ankara, Turkey  
Mechanical Engineering Department

**February 2018 – Ongoing**

GPA: 3.85/4.00

#### **M. Sc.**

Çankaya University, Ankara, Turkey  
Mechanical Engineering Department

**Sept. 2015 – Nov. 2017**

GPA: 4.00/4.00

#### **B. Sc.**

Osmangazi University, Eskişehir, Turkey  
Mechanical Engineering Department

**Sept. 2010 – June 2015**

GPA: 3.74/4.00

#### **High School**

Eskişehir Atatürk Lisesi, Eskişehir, Turkey

**Sept. 2006 – June 2010**

GPA: 85.39/100

### **EMPLOYMENT**

**Çankaya University**  
Mechanical Engineering  
Department

**Research Assistant**

**Sept. 2015 – Ongoing**  
Ankara/Turkey

### **AWARDS AND SCHOLARSHIPS**

Sept. 2010 – June 2015

June 2015

Sept. 2010 – June 2015

High Honor student during B. Sc. studies

2<sup>nd</sup> ranking student in B. Sc. graduation

Eti Yüksek Öğrenim Bursu

### **STUDIES AND PUBLICATIONS**

#### **Articles**

Selvi, Ö. and **Yavuz, S.** (2018) 'Dimensional optimisation of a 3-DoF spherical parallel manipulator for rehabilitation by using firefly algorithm', Int. J. Mechanisms and Robotic Systems, Vol. 4, No. 2, pp. 107–119

## **National Conferences**

**Yavuz S.** ve Selvi Ö., Üç Serbestlik Dereceli Paralel Rehabilitasyon Eyleyicinin Ateş Böceği Algoritması Kullanılarak Boyutsal Olarak Eniyilemesi, Türkiye Robotbilim Konferansı TORK2016, 2-3 Kasım 2016

**Yavuz S.** ve Selvi Ö., Aşırı-Tanımlı Paralel Bir Rehabilitasyon Eyleyicisinin Analizi, UMTS 2017 18. Ulusal Makina Teorisi Sempozyumu, 5-7 Temmuz 2017

## **Book Chapters**

**Yavuz S.** and Selvi Ö., Design and Dimensional Optimization of a Novel Walking Mechanism with Firefly Algorithm, International Workshop on Computational Kinematics. Springer, Cham, 2017. p. 67-75

## **Working Papers**

A Transformation Matrices Module in Position Analysis of Serial Manipulators for Denavit-Hartenberg Method

Design and Implementation of an Electro-Goniometer to Measure Human Wrist Joint Boundaries

## **ASSISTANSHIPS**

### **2015 – 2016 Fall**

ME 113	Computer Aided Engineering Drawing I
ME 211	Thermodynamics I
ME 307	Machine Elements I
ME 313	Heat Transfer

### **2015 – 2016 Spring**

ME 102	Mechanical Engineering Orientation
ME 114	Computer Aided Engineering Drawing II
ME 202	Strength of Materials
ME 302	Theory of Machines II
ME 308	Machine Elements II
ME 417	Design of Mechanism and Machines

### **2016 – 2017 Fall**

ME 113	Computer Aided Engineering Drawing I
ME 307	Machine Elements I
ME 313	Heat Transfer
ME 431	System Dynamics

ME 211 Thermodynamics I  
**2016 – 2017 Spring**  
ME 114 Computer Aided Engineering Drawing II  
MECE 114 Computer Aided Engineering Drawing II  
ME 198 Computational Tools for Mechanical Engineers  
ME 212 Thermodynamics II  
ME 302 Theory of Machines II  
ME 308 Machine Elements II  
ME 417 Design of Mechanism and Machines

**2017 – 2018 Fall**

ME 113 Computer Aided Engineering Drawing I  
ME 210 Manufacturing Processes  
ME 313 Heat Transfer  
ME 431 System Dynamics  
ME 211 Thermodynamics I  
ME 301 Theory of Machines I

**2017 – 2018 Spring**

ME 114 Computer Aided Engineering Drawing II  
ME 206 Dynamics  
ME 210 Manufacturing Processes  
ME 212 Thermodynamics II  
ME 312 Experimentation and Measurement  
ME 417 Design of Mechanism and Machines

**2018 – 2019 Fall**

ME 113 Computer Aided Engineering Drawing I  
ME 203 Statics  
ME 301 Theory of Machines I  
ME 307 Machine Elements I  
ME 331 Numerical Methods for Mechanical Engineers  
ME 431 System Dynamics

Faculty Exam Coordination

**2018 – 2019 Spring**

ME 203 Statics  
ME 202 Strength of Materials  
ME 302 Theory of Machines II

Faculty Exam Coordination

**INTERNSHIPS**

**Şeker Fabrikaları, Eskişehir Makine Fabrikası** June 2013 – July 2013 (15 working days)  
Eskişehir /Turkey

**Can Conta Hırdavat Sanayi** Jan. 2014 – Feb. 2014 (15 working days)

**Tusaş Motor Sanayii A. Ş.**

Eskişehir /Turkey  
**June 2014 – July 2014** (15 working days)

**Kafaoğlu Metal Plastik Mak. San. Tic. A. Ş.**

Eskişehir /Turkey  
**Jan. 2015 – Feb. 2015** (15 working days)  
Eskişehir /Turkey

### **EXAM SCORES**

YDS

82.5/100 (**May 2014**)

ALES

(Quantitative) 82.5/100 (**Sept. 2014**)

### **COMPUTER SKILLS**

#### **Programming Languages:**

MATLAB Intermediate

Mathematica Advanced

#### **Design Softwares:**

AutoCad Advanced

Autodesk Inventor Advanced

Solid Edge Advanced

Solidworks Advanced

#### **Analysis Packages:**

ANSYS Elementary

#### **Web Design:**

HTML Beginner